

## DiMethyl-Histone H4-K20

**Reactivity:**Human Mouse Rat Other (Wide Range)

**Tested applications:**WB IHC IF IP CHIP CHIPseq

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

ChIP 1:20 - 1:100 CHIPseq 1:20 - 1:100

**Calculated MW:**11kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic methylated peptide corresponding to residues surrounding K20 of human histone H4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

H4K20me2; H4; H4/n; H4F2; H4FN; FO108; HIST2H4

**Catalog #:**A2371

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**8370

**Isotype:**IgG

**Swiss Prot:**P62805

**Purity:**Affinity purification

For research use only.

**Background:**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

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